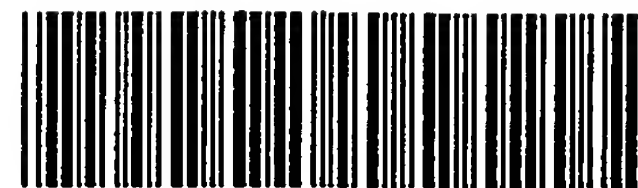


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/035,045A  
Source: 1FW16  
Date Processed by STIC: 3/22/07

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IFW16

## RAW SEQUENCE LISTING

DATE: 03/22/2007

PATENT APPLICATION: US/10/035,045A

TIME: 15:12:59

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3 <110> APPLICANT: ADLER, JON ELLIOT
4     LI, XIAODONG
5     STASZEWSKI, LENA
6     O'CONNELL, SHAWN
7     ZOZULYA, SERGEY
9 <120> TITLE OF INVENTION: T1R TASTE RECEPTORS AND GENES ENCODING SAME
11 <130> FILE REFERENCE: 67824.428901
13 <140> CURRENT APPLICATION NUMBER: 10/035,045A
14 <141> CURRENT FILING DATE: 2002-01-03
16 <150> PRIOR APPLICATION NUMBER: 60/259,227
17 <151> PRIOR FILING DATE: 2001-01-03
19 <150> PRIOR APPLICATION NUMBER: 60/284,547
20 <151> PRIOR FILING DATE: 2001-04-19
22 <160> NUMBER OF SEQ ID NOS: 24
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27 <211> LENGTH: 876
28 <212> TYPE: DNA
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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/035,045A

TIME: 15:12:59

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102 &lt;210&gt; SEQ ID NO: 3

103 &lt;211&gt; LENGTH: 2559

104 &lt;212&gt; TYPE: DNA

105 &lt;213&gt; ORGANISM: Homo sapiens

107 &lt;400&gt; SEQUENCE: 3

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153 &lt;210&gt; SEQ ID NO: 4

154 &lt;211&gt; LENGTH: 852

155 &lt;212&gt; TYPE: PRT

156 &lt;213&gt; ORGANISM: Homo sapiens

158 &lt;400&gt; SEQUENCE: 4

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160 1 5 10 15

162 Pro Gly Thr Gly Ala Pro Leu Cys Leu Ser Gln Gln Leu Arg Met Lys

## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/035,045A

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| 166 |     |     | 35  |     |     | 40  |     |     | 45  |
| 168 | Ala | Gly | Leu | Arg | Ser | Arg | Thr | Arg | Pro |
| 169 |     | 50  |     |     |     | 55  |     |     | 60  |
| 171 | Phe | Ser | Ser | Asn | Gly | Leu | Leu | Trp | Ala |
| 172 | 65  |     |     |     |     | 70  |     |     | 75  |
| 174 | Glu | Glu | Ile | Asn | Asn | Lys | Ser | Asp | Leu |
| 175 |     |     |     | 85  |     |     |     | 90  |     |
| 177 | Tyr | Asp | Leu | Phe | Asp | Thr | Cys | Ser | Glu |
| 178 |     |     |     | 100 |     |     |     | 105 |     |
| 180 | Ser | Leu | Met | Phe | Leu | Ala | Lys | Ala | Gly |
| 181 |     |     | 115 |     |     |     |     | 120 |     |
| 183 | Cys | Asn | Tyr | Thr | Gln | Tyr | Gln | Pro | Arg |
| 184 |     | 130 |     |     |     |     |     | 135 |     |
| 186 | His | Ser | Ser | Glu | Leu | Ala | Met | Val | Thr |
| 187 | 145 |     |     |     |     |     |     | 150 |     |
| 189 | Leu | Met | Pro | Gln | Val | Ser | Tyr | Gly | Ala |
| 190 |     |     |     | 165 |     |     |     | 170 |     |
| 192 | Arg | Glu | Thr | Phe | Pro | Ser | Phe | Phe | Arg |
| 193 |     |     |     | 180 |     |     |     | 185 |     |
| 195 | Gln | Leu | Thr | Ala | Ala | Ala | Glu | Leu | Leu |
| 196 |     |     | 195 |     |     |     |     | 200 |     |
| 198 | Val | Ala | Ala | Leu | Gly | Ser | Asp | Asp | Glu |
| 199 |     | 210 |     |     |     |     |     | 215 |     |
| 201 | Ile | Phe | Ser | Ala | Leu | Ala | Ala | Ala | Arg |
| 202 | 225 |     |     |     |     |     |     | 230 |     |
| 204 | Gly | Leu | Val | Pro | Leu | Pro | Arg | Ala | Asp |
| 205 |     |     |     | 245 |     |     |     | 250 |     |
| 207 | Gln | Asp | Val | Leu | His | Gln | Val | Asn | Gln |
| 208 |     |     |     | 260 |     |     |     | 265 |     |
| 210 | Leu | Phe | Ala | Ser | Val | His | Ala | Ala | His |
| 211 |     |     | 275 |     |     |     |     | 280 |     |
| 213 | Ser | Ser | Arg | Leu | Ser | Pro | Lys | Val | Trp |
| 214 |     | 290 |     |     |     |     |     | 295 |     |
| 216 | Thr | Ser | Asp | Leu | Val | Met | Gly | Leu | Pro |
| 217 | 305 |     |     |     |     |     |     | 310 |     |
| 219 | Val | Leu | Gly | Phe | Leu | Gln | Arg | Gly | Ala |
| 220 |     |     |     | 325 |     |     |     | 330 |     |
| 222 | Tyr | Val | Lys | Thr | His | Leu | Ala | Leu | Ala |
| 223 |     |     |     | 340 |     |     |     | 345 |     |
| 225 | Ala | Leu | Gly | Glu | Arg | Glu | Gln | Gly | Leu |
| 226 |     |     | 355 |     |     |     |     | 360 |     |
| 228 | Arg | Cys | Pro | Gln | Cys | Asp | Cys | Ile | Thr |
| 229 |     | 370 |     |     |     |     |     | 375 |     |
| 231 | Leu | Asn | His | His | Gln | Thr | Phe | Ser | Val |
| 232 | 385 |     |     |     |     |     |     | 390 |     |
| 234 | Ala | Gln | Ala | Leu | His | Asn | Thr | Leu | Gln |
| 235 |     |     |     | 405 |     |     |     | 410 |     |



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PATENT APPLICATION: US/10/035,045A

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243 Asn Val Asp Met Glu Tyr Asp Leu Lys Leu Trp Val Trp Gln Gly Ser
244           450           455           460
246 Val Pro Arg Leu His Asp Val Gly Arg Phe Asn Gly Ser Leu Arg Thr
247 465           470           475           480
249 Glu Arg Leu Lys Ile Arg Trp His Thr Ser Asp Asn Gln Lys Pro Val
250           485           490           495
252 Ser Arg Cys Ser Arg Gln Cys Gln Glu Gly Gln Val Arg Arg Val Lys
253           500           505           510
255 Gly Phe His Ser Cys Cys Tyr Asp Cys Val Asp Cys Glu Ala Gly Ser
256           515           520           525
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259           530           535           540
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262 545           550           555           560
264 Phe Leu Ala Trp Gly Glu Pro Ala Val Leu Leu Leu Leu Leu Leu Leu
265           565           570           575
267 Ser Leu Ala Leu Gly Leu Val Leu Ala Ala Leu Gly Leu Phe Val His
268           580           585           590
270 His Arg Asp Ser Pro Leu Val Gln Ala Ser Gly Gly Pro Leu Ala Cys
271           595           600           605
273 Phe Gly Leu Val Cys Leu Gly Leu Val Cys Leu Ser Val Leu Leu Phe
274           610           615           620
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277 625           630           635           640
279 His Leu Pro Leu Thr Gly Cys Leu Ser Thr Leu Phe Leu Gln Ala Ala
280           645           650           655
282 Glu Ile Phe Val Glu Ser Glu Leu Pro Leu Ser Trp Ala Asp Arg Leu
283           660           665           670
285 Ser Gly Cys Leu Arg Gly Pro Trp Ala Trp Leu Val Val Leu Leu Ala
286           675           680           685
288 Met Leu Val Glu Val Ala Leu Cys Thr Trp Tyr Leu Val Ala Phe Pro
289           690           695           700
291 Pro Glu Val Val Thr Asp Trp His Met Leu Pro Thr Glu Ala Leu Val
292 705           710           715           720
294 His Cys Arg Thr Arg Ser Trp Val Ser Phe Gly Leu Ala His Ala Thr
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303 Leu Ala Tyr Phe Ile Thr Trp Val Ser Phe Val Pro Leu Leu Ala Asn
304           770           775           780
306 Val Gln Val Val Leu Arg Pro Ala Val Gln Met Gly Ala Leu Leu Leu
307 785           790           795           800
309 Cys Val Leu Gly Ile Leu Ala Ala Phe His Leu Pro Arg Cys Tyr Leu

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/035,045A

DATE: 03/22/2007  
TIME: 15:13:00

Input Set : A:\67824901.APP  
Output Set: N:\CRF4\03222007\J035045A.raw

*FSI*  
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:6; N Pos. 3,6,18,21

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Seq#:15; N Pos. 1299,1300,1951,1952,1953,1954,1955,1956,1957,1958,1959,1960

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/035,045A

DATE: 03/22/2007

TIME: 15:13:00

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Output Set: N:\CRF4\03222007\J035045A.raw

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L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1200  
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1260  
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1920  
L:797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1980  
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:1239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0